

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
SRSLABS.217AAPPLICATION NO.  
09/185,876INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT  
KlaymanFILING DATE  
November 3, 1998GROUP  
~~2655~~ 2655

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GROUP 2700

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
<i>m</i>	3,180,936	04/27/65	Schroeder			
<i>7</i>	3,838,217	09/24/74	Dreyfus			
	4,090,033	05/16/78	Silverstein			
	4,166,926	09/04/79	Sieler			
	4,186,280	01/29/80	Geiseler			
	4,275,269	06/23/81	Sugita, et al.			
	4,287,391	09/01/81	Queen			
	4,340,779	07/20/82	Hashimoto, et al.			
	4,441,202	04/03/84	Tong, et al.			
	4,506,379	03/19/85	Komatsu			
	4,542,524	09/17/85	Laine			
	4,618,985	10/21/86	Pfeiffer			
	4,641,343	02/03/87	Holland, et al.			
	4,661,981	04/28/87	Henrickson, et al.			
	4,696,040	09/22/87	Doddington, et al.			
	4,703,505	10/27/87	Seiler, et al.			
	4,707,858	11/17/87	Fette			
	4,743,906	05/10/88	Fullerton			
	4,748,669	05/31/88	Klayman			
	4,802,228	01/31/89	Silverstein, et al.			
	4,819,269	04/04/89	Klayman			
	4,827,516	05/02/89	Tsukahara, et al.			
	4,829,572	05/09/89	Kong			
	4,836,329	06/06/89	Klayman			
	4,841,572	06/20/89	Klayman			
	4,852,172	07/25/89	Taguchi			
	4,866,774	09/12/89	Klayman			
	4,882,752	11/21/89	Lindman, et al.			
	4,882,758	11/21/89	Uekawa, et al.			
	4,896,360	01/23/90	Knight			
<i>M</i>	4,922,539	05/01/90	Rajasekaran, et al.			

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MD		4,933,973	06/12/90	Porter		APR 26 1999
		4,945,568	07/31/90	Willems		
		4,969,192	11/06/90	Chen, et al.		Group 2700
		4,979,216	12/18/90	Malsheen, et al.		
		5,012,519	04/3/91	Adlersberg, et al.		
		5,058,169	10/15/91	Temmer		
		5,103,481	04/07/92	Iseda, et al.		
		5,133,013	07/21/92	Munday		
		5,148,488	09/15/92	Chen, et al.		
		5,150,413	09/22/92	Nakatani, et al.		
		5,175,793	12/29/92	Sakamoto, et al.		
		5,177,329	01/05/93	Klayman		
		5,181,251	01/19/93	Schultheiss, et al.		
		5,195,167	03/16/93	Bahl, et al.		
		5,216,718	06/01/93	Fukuda		
		5,243,656	09/07/93	Tanida, et al.		
		5,251,260	10/05/93	Gates		
		5,280,543	01/18/94	Yokoyama, et al.		
		5,319,713	06/07/94	Waller, Jr., et al.		
		5,333,201	07/26/94	Waller, Jr.		
		5,459,813	10/17/95	Klayman		
		5,638,452	06/10/97	Waller, Jr.		
		5,661,808	08/26/97	Klayman		
		5,771,295	06/23/98	Waller, Jr.		
		5,784,468	07/21/98	Klayman		
MB		5,850,453	12/15/98	Klayman, et al.		

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
my		64-49100	02/23/89	Japan				
my		2555263	02/10/77	Germany				
HC		674341	12/27/65	Belgium				

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EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
<i>mo</i>	1	Coetzee, et al., "An LSP Based Speech Quality Measure", ICASSP-89, pp. 596-599, Vol. 1, May 1989.
<i>mo</i>	2	Lim, "Enhancement and Bandwidth Compression of Noisy Speech"; <u>Proceedings of the IEEE</u> , Vol. 67, No. 12, pp. 1586-1604, Dec. 1979.
<i>mo</i>	3	Conway, et al., "Evaluation of a Technique Involving Processing With Feature Extraction to Enhance the Intelligibility of Noise-Corrupted Speech", IECON '90 Conference of IEEE Industrial Electronics Society, Vol. 1, pp. 28-33, November 1990.
<i>mo</i>	4	Conway, et al., "Adaptive Postfiltering Applied to Speech in Noise", Midwest Symposium on Circuits and Systems, pp. 101-104, August 1989.
<i>mo</i>	5	Clarkson, et al., "Envelope Expansion Methods for Speech Enhancement", <u>J. Acoust. Soc. Am.</u> , Vol. 89, No. 3, pp. 1378-1382, March 1991.

EXAMINER <i>mal</i>	DATE CONSIDERED <i>7/25/93</i>
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	